

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT  
(Under 37 CFR 1.97(b) or 1.97(c))**

Docket No.  
Q170-US1

In Re Application Of: **Ilias Belharouak et al.**

Serial No.	Filing Date	Examiner	Group Art Unit
N/A	July 1, 2003	N/A	N/A

**Title: IMPROVED POSITIVE ELECTRODE MATERIAL FOR LITHIUM ION BATTERIES**

Address to:

**Commissioner for Patents  
P.O. Box 1450  
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**37 CFR 1.97(b)**

1.  The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

**37 CFR 1.97(c)**

2.  The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:
  - the statement specified in 37 CFR 1.97(e);  
**OR**  
 the fee set forth in 37 CFR 1.17(p).

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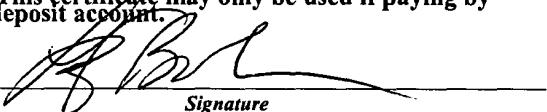
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Quallion LLC

P.O. Box 923127

Sylmar, CA 91392-3127

818-833-2003 (ph)

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Substitute for form 1449A/PTO				Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				Application Number	N/A
				Filing Date	July 1, 2003
				First Named Inventor	Belharouak et al.
				Art Unit	N/A
				Examiner Name	N/A
Sheet	1	of	2	Attorney Docket number	Q170-US1

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not

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<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

Substitute for form 1449B/PTO				<i>C mplete if Known</i>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				Application Number	N/A
				Filing Date	July 1, 2003
				First Named Inventor	Belharouak et al.
				Art Unit	N/A
				Examiner Name	N/A
Sheet	2	of	2	Attorney Docket number	Q170-US1

OTHER DOCUMENTS					
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, cite and/or country where published			T <sup>2</sup>
	X	R. BREC et al., Chemical and Electrochemical Study of the Li <sub>x</sub> FeS <sub>2</sub> Cathodic System, Mater. Res. Bull., 1980, 15, 619-625.			✓
	6	V.B. NALBANDYAN, et al., New Modification of Lithium Monoferrite and the Morphotropic Series AFeO <sub>2</sub> , Russian Journal of Inorganic Chemistry, 1987, 32, 3, 453-454.			✓
	5	A. MANTHIRAM et al., Lithium Insertion into Fe <sub>2</sub> (MO <sub>4</sub> ) <sub>3</sub> Frameworks: Comparison of M=W with M=Mo, Journal of Solid State Chemistry, 1987, 71, 349-360.			✓
	9	R.W. PEKELA, Organic Aerogels From The Polycondensation Of Resorcinol With Formaldehyde, Journal of Materials Science, 1989, 24, 3221-3227.			✓
	10	A.K. PADHI et al., Phospho-olivines as Positive-Electrode Materials for Rechargeable Lithium Batteries, J. Electrochem. Soc., 1997, 144, 4, 1188-1194.			
	8	A.K. PADHI et al., Effect of Structure on the Fe <sup>3+</sup> /Fe <sup>2+</sup> Redox Couple in Iron Phosphates, J. Electrochem. Soc., 1997, 144, 5, 1609-1613.			✓
	4	H. HUANG et al., Approaching Theoretical Capacity of LiFePO <sub>4</sub> at Room Temperature at High Rates, Electrochemical and Solid-State Letters, 2001, 4(10), A170-A172.			✓
	3	S. YANG et al., Reactivity, Stability and Electrochemical Behavior of Lithium Iron Phosphates, Electrochemistry Communications, 2002, 4(3), 239-244.			✓
	11	P.P. PROSINI et al., Determination of the Chemical Diffusion Coefficient of Lithium in LiFePO <sub>4</sub> , Solid State Ionics, 2002, 148, 45-51.			
	2	F. CROCE et al., A Novel Concept for the Synthesis of an Improved LiFePO <sub>4</sub> Lithium Battery Cathode, Electrochemical and Solid State Letters, 2002, 5(3), A57-A50.			✓
	✓	I. BELHAROUAK et al., Improved LiFePO <sub>4</sub> Cathode for Lithium-Ion Batteries, Presented at the 14th International Conference on Solid State Ionic's, Extended Abstract, June22-27, 2003, Monterey, California, USA, 2 pages.			✓

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